



Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-6. (Canceled)
7. (Currently amended) A rotary electric machine comprising:
a stator ~~including coils~~;
magnetic poles having one end ~~faces~~ face facing the stator; and
a rotor having the magnetic poles and rotated by electromagnetic energy from the stator,
wherein the rotor includes:
a face in its radially outer region to which ~~the other end faces of the~~ a magnetic poles are
attached;
a stepwise drawn portion concentrical with the one end face; and
a shaft portion located on its rotational axis,
wherein the face in the radially outer region of the rotor is formed perpendicular to the
rotational axis of the rotor, and
a face perpendicular to the rotational axis of the rotor is formed in the stepwise drawn
portion or the shaft portion.
8. (Previously presented) The rotary electric machine as set forth in claim 7, wherein a
space for a one-way clutch to be housed is formed by the stepwise drawn portion.
9. (Currently amended) The rotary electric machine as set forth in claim 7, wherein ~~the a~~
magnetic pole-carrying face, the stepwise drawn portion and the shaft portion are formed integral
with each other.
10. (Currently amended) A The rotary electric machine ~~having a fixed stator, and a rotor~~
~~rotated by the electromagnetic energy from the stator~~ as set forth in claim 7, wherein
~~the rotor has in its radially outer region a magnetic pole-carrying face, a stepwise drawn~~
~~portion concentrical with the face, and a cylindrical shaft portion, on the rotational axis of the~~
~~rotor, formed in its radially inner region, the shaft portion or the drawn portion being formed~~
~~with a face perpendicular to the rotational axis; and~~
a female thread is formed in the perpendicular face.
11. (Previously presented) The rotary electric machine as set forth in claim 10, wherein
the female thread is formed on the rotational axis.

12. (Previously presented) The rotary electric machine as set forth in claim 10, wherein the female thread is formed in a plurality around the rotational axis at regular intervals.

13. (Currently amended) The rotary electric machine as set forth in claim 7 ~~or 10~~, wherein the face perpendicular to the rotational axis of the rotor formed ~~on~~ in the stepwise drawn portion is formed in a region[[,]] of the stepwise drawn portion, where the stepwise drawn portion is pressed against a bearing on the stator into which the shaft portion is inserted.

14 (New) The rotary electric machine as set forth in claim 7, wherein the stator includes a plurality of coils.

15. (New) The rotary electric machine as set forth in claim 7, wherein the stator is fixed.

16. (New) The rotary electric machine as set forth in claim 7, wherein the shaft portion is cylindrical.

17. (New) The rotary electric machine as set forth in claim 14, wherein the plurality of coils includes a core and a winding.

18. (New) The rotary electric machine as set forth in claim 17, wherein the core and the winding are disposed in a circle and molded with a resin.

19. (New) The rotary electric machine as set forth in claim 7, wherein the stator includes an encoder board.

20. (New) The rotary electric machine as set forth in claim 8, wherein the one-way clutch is press-fitted in a space of a yoke having a bearing press-fitted in the shaft portion.

21. (New) A rotary electric motor machine, comprising:

a stator;

a rotor rotated by electromagnetic energy from the stator;

wherein the rotor has in its radially outer region magnetic pole-carrying face, a stepwise drawn portion concentric with the magnetic pole-carrying face, and a shaft portion, on a rotational axis of the rotor, formed in its radially inner region, the shaft portion or the stepwise drawn portion being formed with a face perpendicular to the rotational axis; and

a female thread formed in the perpendicular face.

22. (New) The rotary electric machine as set forth in claim 21, wherein a space for a one-way clutch to be housed is formed by the stepwise drawn portion.

23. (New) The rotary electric machine as set forth in claim 21, wherein the stator includes a plurality of coils.

24. (New) The rotary electric machine as set forth in claim 21, wherein the stator is fixed.

25. (New) The rotary electric machine as set forth in claim 21, wherein the shaft portion is cylindrical.

26. (New) A method for manufacturing a rotary electric machine, comprising:

providing a stator;

positioning magnetic poles having one end face facing the stator;

rotating by electromagnetic energy from the stator, a rotor having the magnetic poles;

providing a face in its radially outer region to which the outer end faces of the magnetic poles are attached, a stepwise drawn portion concentric with the one end face and a shaft portion located on its rotational axis;

forming the face in the radially outer region of the rotor perpendicular to the rotational axis of the rotor; and

forming a face perpendicular to the rotational axis of the rotor in the stepwise drawn portion or the shaft portion.